

Program Description/Textbook or Print Instructional Material

Vendor:	Glencoe/McGraw-Hill	Web Address:	http://www.glencoe.com
Title:	MATHEMATICS WITH BUSINESS APPLICATIONS		
Author:	Lange	Copyright:	2004
ISBN:	0078298067	Course/Content Area:	BUSINESS MATH
Intended Grade or Level:	9-12	Readability Level:	7.8 Fry
List Price:	N/A	Lowest Wholesale Price:	50.97

Level of Accommodations (Level One, Two or Three) Level Three

If Level Two or Three, please provide rationale for not meeting Level One Compliance: Providing a higher level of accessibility compliance is too costly for the size of the student enrollment in this curriculum area.

FEATURES*

***DISCLAIMER:** The features of each book or program were developed by the publisher and do not reflect the opinion of the State Textbook/Instructional Materials Review Team, State Textbook Commission, or the Kentucky Department of Education.

Content

The content of the text covers a basic math review, personal math, such as gross and net income, savings accounts, loans and insurance and business math topics in sales, marketing, services and accounting, among others.

Student Experiences

Throughout the program, students are able to relate the math concepts they are learning to real-world situations. An example of this is the chapter feature *Living in the Real World*. The Math Workshops in Part One gives the students a solid review of basic math skills. Regular and frequent assessment and reinforcement within each chapter helps students master skills before proceeding to the next concept. Students have the opportunity to improve their learning and test taking skills with the Cumulative Test Prep sections, which are aligned and verified by *The Princeton Review*. There is also the opportunity for student to work together on creative group-oriented projects in the Math Studio sections. These labs help student improve their reading, writing, communication and mathematical skills.

Assessment

Frequent and regular assessment opportunities are provided throughout the text. This is done through the Basic Math Skills Workshops, the Study Guide and Assessment in each chapter, the Math Studios, Cumulative Test Prep, and the opportunities for constant reinforcement and practice of each skill and concept. Additionally, there is an Assessment Package that includes the ExamView Pro test generator and reproducible tests.

Organization

The text is divided into three parts: Basic Math Workshops, Personal Math and business Math. Within the Parts, there are chapters totaling 23. Each chapter is divided into sections, allowing for frequent practice and assessment. The Reference and Application Files at the back of the book, provide extra help and practice for students on a variety of math skill and concepts.

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Resource Materials

- **Gratis Items To Be Provided And Under What Conditions**

Free, 1 Per Teacher: Teacher Wraparound Edition, Teacher Resource Binder, Interactive Lesson Planner, Assessment Binder, Student Activity Workbook, TAE

- **Available Ancillary Materials**

All Items Listed Above as Gratis Items

RESEARCH DATA/EVIDENCE OF EFFECTIVENESS**

****DISCLAIMER:** The Research Data/Evidence of Effectiveness was provided by the publisher and do not reflect the opinion of the State Textbook/Instructional Materials Review Team, State Textbook Commission, or the Kentucky Department of Education.

Research Data

This program is a result of solid, ongoing research, teacher feedback and detailed editorial development. In preparation Glencoe used the following strategies, among others, to ensure accuracy and relevance for your students:

- A thorough analysis of the old program, new design and competitive texts.
- Extensive manuscript reviews by teachers in the field.
- Careful fact checking and research of content for technical accuracy.
- Correlations to relevant national standards.

Surveys of teachers to determine content and classroom needs



Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Business



Title: Mathematics with Business Applications			
Publisher: Glencoe			
Item Evaluated: Text with Supplemental Materials			
Copyright Date: 2004		Evaluator: Brenda Buffin	
Content Level: 9-12		Date of Evaluation July 31, 2003	
Level of Alternative Format	Level 1 – Full Compliance	Level 2 – Provisional Compliance	Level 3 – Marginal Compliance
This section completed by Exceptional Children Services			

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

Recommendations:
<input checked="" type="checkbox"/> Recommended by reviewers to State Textbook Commission
<input type="checkbox"/> Not recommended by reviewers to State Textbook Commission

Publisher's Explanation of Reviewer's Comments: By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.



Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Business



Title:	Publisher	
Technology Management Summary Data:	20 possible points	____20____ points earned
Technology Management Comments: Good software resources.		
Technology Presentation/Interface Summary Data:	40 possible points	____31____ points earned
Technology Presentation/Interface Comments: Software includes Interactive Lesson Planner , PowerPoint sides for each chapter, and test generator. There is also an excellent website for both students and teachers at www.busmath.glencoe.com .		
Content Summary Data:	44 possible points	____30____ points earned
Content Comments: The content of the text is excellent. Unfortunately, there is not much information at all about careers and employability skills or ethical practices.		
Instruction & Management Summary Data	52 possible points	____49____ points earned
Instruction & Management Comments: Teacher's assessment binder includes rubrics for alternative assessments. This text package seems to have more information on a variety of assessments than others.		
Organization & Structure Summary Data	36 possible points	____36____ points earned
Organization & Structure Comments: Text is well organized overall.		
Resource Material Summary Data	40 possible points	____36____ points earned
Resource Material Comments: Resource materials are extensive and include a wide variety of teacher helps. There is also a student workbook, plus a spreadsheet applications CD.		



Group V - Career /Technical & Vocational/Practical Living

Electronic Instructional Media Review Form

Stand Alone/Independent or Integrated Software for Business



Equipment (circle or change fill color)	Grade Level (circle or change fill color)	Audience (circle or change fill color)	Format (circle or change fill color)	Cost _____	
Windows	Primary	Individual	Stand Alone/Independent	_____ single copy	_____ site license
Macintosh	Intermediate	Small Group	Integrated	_____ network version	_____ school version
CD-ROM	Middle	Large Group	Supplemental	_____ lab pack of _____ copies	_____ online
DVD	High		In lieu of basal test		
Sound					
Other					

If other, explain _____

Type of Software: Check all that apply	_____ Simulation	___x___ Management	_____ Interdisciplinary	___x___ Problem Solving	___x___ Tutorial
_____ Exploratory	_____ Creativity	___x___ Drill and Practice	___x___ Critical Thinking	_____ Utility	_____ Other:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	4
Allows students to exit and resume at a later time.	4
Keeps a students performance record, where needed.	4
Allows control of various aspects of the software (e.g., turning sound off).	4
Allows for printed reports.	4
Comments: Good software resources.	Total 20

Presentation/Interface	Rating
Presents material in an organized manner.	4
Has consistent, easy-to-use, on-screen instructions.	4
Has developmentally correct presentation format.	4
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	2
Accessible for special needs students.	1
Runs smoothly, without long delays.	4
Presents easy-to-view text and graphics.	4
Presents easy-to-hear and understand sounds.	0
Avoids unnecessary screens, sounds, and graphics.	4
Provides immediate, appropriate feedback.	4
Comments: Software includes Interactive Lesson Planner , PowerPoint sides for each chapter, and test generator. There is also an excellent website for both students and teachers at www.busmath.glencoe.com .	Total 31

Content—Business	Rating
Career Experiences	2
Employability Skills	1
Teamwork	2
Global Perspective	2
Mathematical Skills	4
Communication	3
Diversity	4
Ethical Practices	1
Academic Integration	3
Real World Application	4
Content Area Concepts Addressed	4
Comments: The content of the text is excellent. Unfortunately, there is not much information at all about careers and employability skills or ethical practices.	Total 30

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	4
Builds on Student Ideals	4
Engages Students	4
Develops Business Ideas	4
Promotes Student Thinking	4
Assesses Student Progress	4
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	4
Commonwealth Accountability Testing System (CATS) “like” Assessment is provided	2
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	3
Includes activities and opportunities for integration of technology.	4
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	4
Differentiation techniques and activities suggested.	4
Comments: Teacher’s assessment binder includes rubrics for alternative assessments. This text package seems to have more information on a variety of assessments than others.	Total 49

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	4
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	4
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	4
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	4
Student materials seem durable and conducive to daily use.	4
Includes sufficient glossary, index and appendices.	4
Employs accurate grammar and spelling	4
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	4
Comments: Text is well organized overall.	Total 36

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	4
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	3
Extension activities including adaptations and accommodations for students with special needs.	3
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	4
Suggestions are made for integration of themes and /or interdisciplinary instruction.	3
Integration opportunities suggested and examples given.	3
Teacher resources are available online.	4
Online resources available – Repeat of information in text.	4
Online resources available – Practice skills only.	4
Online resources available – New application materials.	4
Comments: Resource materials are extensive and include a wide variety of teacher helps. There is also a student workbook, plus a spreadsheet applications CD.	Total 36
Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable